Patent claims

1. A monitoring procedure for a control (2) of an injection-molding
    process, actual values (T, p, n, v) of the injection-molding process
5   being acquired and fed to a computer (16), characterized in that the
    actual values (T, p, n, v) are acquired by the control (2) and
    transmitted to the computer (16).

2. The monitoring procedure as claimed in claim 1, characterized in that
10 the monitoring procedure includes that, by evaluating the transmitted
    actual values (T, p, n, v), the computer (16) determines at least one
    setpoint value (T*(t), p*(t)) and transmits it to the control (2).

3. The monitoring procedure as claimed in claim 1 or 2, characterized in
15 that, virtually in parallel with the execution of the monitoring
    procedure, the computer (16) receives inputs for the control (2) from
    an operator (18) and passes them on to the control (2) and/or
    receives outputs for the operator (18) from the control (2) and passes
    them on to the operator (18).

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4. The monitoring procedure as claimed in claim 3, characterized in that
    the receiving and passing on of the inputs and/or outputs is executed
    by the computer (16) under an operating system which does not have
    real-time capability.

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5. The monitoring procedure as claimed in claim 3 or 4, characterized in
    that the execution of the monitoring procedure is performed by the
    computer (16) under an operating system which does not have real-
    time capability.

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6. The monitoring procedure as claimed in one of the above claims,
    characterized in that the control (2) takes the form of a software

process (2) which is executed by the computer (16) under an operating system with real-time capability virtually in parallel with the execution of the monitoring procedure.

5   7.   A computer program for carrying out a monitoring procedure as claimed in one of the above claims.

     8.   A computer programmed with a computer program (17) as claimed in claim 7.

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     9.   An injection-molding machine, characterized in that it is assigned a computer (16) as claimed in claim 8.